Ejercicio18(a)sec1.9grossman2ed.

BY FELIPECAMARAGO

se dice que una matriz cuadrada es simetrica si $A^t = -A$ es la siguiente matriz cuadrada simetrica.

$$A = \begin{pmatrix} 1 & -6 \\ 6 & 0 \end{pmatrix}$$

```
----------------------------------------------------------------------
| Sage Version 3.4, Release Date: 2009-03-11                         |
| Type notebook() for the GUI, and license() for information.        |
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Sage Version 3.4, Release Date: 2009-03-11
```

```
sage] A=matrix(QQ,[[1,-6],[6,0]])
sage] A
```

$$\begin{pmatrix} 1 & -6 \\ 6 & 0 \end{pmatrix}$$

```
sage] A.transpose()
```

$$\begin{pmatrix} 1 & 6 \\ -6 & 0 \end{pmatrix}$$

```
sage] -A
```

$$\begin{pmatrix} -1 & 6 \\ -6 & 0 \end{pmatrix}$$

```
sage]
```

queda demostrado que la matriz dada no es simetrica.